

R-1511 RECEIVER

R-1511/GR HF RECEIVER, 0.54 to 54 MHz AM in six bands. Looks like and has the "front end" electronics of Hammarlund SP-600 but the IF and demodulation circuits are transistorized and unique to the R-1511. Has 13 PC boards including Video Channels A & B, Panoramic Amp (IF out), and Narrow Band Monitor/Metering Circuit all with separate outputs. (We measured "Narrow Band" to be 40 KHz to the phone jack!) Besides tuning controls, front panel has RF Gain, AGC On/Off, Marker Control, BFO (non-adjustable), dimmer, and 0-100 db Video Level meter. Rear jacks for PAN out, Ch A, Ch B, Wavetrap, Ch A CONV/FLT, Ch B CONV/FLT, ANT, and VFO Monitor. Might be worthwhile to modify this radio with some inexpensive ceramic 455 KHz filters; no further info. Requires 115/230 VAC 60 Hz; 10.5x17.5, 70 lbs sh. Used-reparable, \$150.00

SOLA REGULATORS

SOLA MODEL 63-13-175, portable harmonic neutralized unit designed for computer applications. Input 95-130 VAC; output 120 VAC 750 VA 60 Hz. 8.7x8.9x18.6, 65 lbs sh. Used, \$185.00

SOLA #23-22-125, CVS harmonic neutralized hard-wire type. Input 95-130 or 190-260 VAC; output 120 VAC 250 VA 60 Hz; 9.6x7.5x5.4, 32 lbs. Unused, \$85.00

SOLA #63-13-114 PORTABLE LINE REGULATOR, best quality CVS-type. Input 95-130 VAC 60 Hz; output 120 VAC 140 VA 60 Hz. Two outlets, On-Off, and cord. 5.6x5.8x11.7, 18 lbs sh. NEW, \$85.

2 - 12 MHZ RECEIVER

RECEIVER SECTION from GRC-9 backpack receiver, 2-12 MHz in 3 bands AM-CW; 456 KHz IF, 200 KHz calibration points. Controls for AF and RF gain and headset jacks. With tubes 2/1L4, 3/1R5, 1S5, 3Q4; less grid bias battery. Requires 1.4 VDC 450 ma & 105 V 20 ma. 5x10.5x6.8, 10 lbs. #RX/GRC-9, used, \$28. TRANSISTORIZED 24 VDC SUPPLY adaptable for above; info included. #24VPS-GRC-9, \$12.00



PRT-4A TRANSMITTER

AN/PRT-4A MINIATURE HELMET TRANSMITTER, designed to operate on two preset channels between 47 and 57 MHz. Output 450 MW (Ch 1), 50-250 MW (Ch 2); 150 Hz modulation disable squelch of PRC-25-77. Also 150 Hz tone output. Requires 12 VDC originally supplied by BA-399 battery (not available); CR-81 crystals not available. With 24" collapsible antenna and battery box; o/a 9x2.6x2, 2 lbs sh. Used, \$39.50

AN/PRT-4 "AS-IS" for parts, less antenna, battery box, and crystals, \$16.95.

AN/PRR-9 HELMET RECEIVER, companion to PRT-4 & PRT-4A, less antenna and headset, \$25.00

AN/PRR-9 "AS-IS" CHASSIS only for parts, \$10

OPERATOR'S MANUAL f/ PRT-4-4A & PRR-9, \$7.50

MAINTENANCE MANUAL, partial repro, \$15.00

MOTION DETECTOR

MOTION SENSOR, interesting security device that detects change in ambient light. When someone or thing passes through its 15 ft sensing range and disturbs the light environment, sensor trips alert siren.

Utilizes LM324A op-amp and photo cell tied to a zero (null)-seeking circuit. Grey plastic case; requires (4) AA batteries (not included). 5.5x4x1, 2 lb. #IS-MO-DE, NEW \$2.95



100K ATTENUATOR

100 OHM 2-DECK ATTENUATOR, O-100K in 10K steps; has 1.3" L x 1/4" dia shaft and is in 1.5x1.5x1.2 box. ALPS #220359, NEW, \$2.95

XMITTING

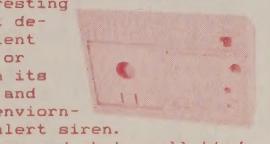
DUAL SECTION 7000 V XMITTING VARIABLE CAPACITOR, 31-151 pf per section; 0.175" gap. 5/8"x1/4" dia shaft; o/a 4.8x14.5x4, 5 lbs. #153-511, used \$28.95



DIP EXTRACTOR

DIP EXTRACTOR PLIERS for easy and non-damaging vertical removal of 4 to 48-pin IC's from sockets or desoldered PC boards. Spring-loaded pliers are made of anti-static plastic with metal extractor teeth; 5x3.4. Techni-Tool #4916, NEW, \$5.95; 2/\$10.

CAPACITOR



6 VDC 28 AMP

HEAVY DUTY SWITCHING POWER SUPPLY with "heavy duty" outputs +5 VDC 28 amps, +12 V 4 A, -12 V 1 A, and +24 V 1.5 A from 115 VAC 60 Hz input. Has On-Off switch, 3-prong input connection and 16-pin Molex output connector; removed from equipment. 2x5x13, 6 lbs. #SWPS-528, \$14.95

POWER CONVERTERS

ASTEC DC - DC CONVERTER designed for PC board mount; +5 VDC input produces -12 VDC 85 ma output. 1.2x1.5x1; 1 lb sh. #AA7210, \$2.95 ea; 2 for \$5.00



PLUG-IN WALL TRANSFORMER with 8 VAC 750 ma output from 115 VAC input; lug output connections. 1.5x2.5x1.5, 1 lb sh. Potrans #WP410608, \$1.95 ea; 2/\$3.



Fair Radio Sales Co.

1016 E. EUREKA ST.

P. O. BOX 1105

Lima, Ohio 45802

PHONE: 419/227-6573
419/223-2196

RETURN POSTAGE
GUARANTEED

Bulk Rate
U. S. POSTAGE
PAID
Lima, Ohio
Permit No. 74



RETURN TO SENDER PSTAGE DUE=.22

GOD IS JUST
A PRAYER AWAY

PAUL ZDILA
47 NANCY ST
BARBERTON

OH 44203

POWERSTAT 21

POWERSTAT TYPE 21 VARIABLE TRANSFORMER, 120 VAC 50/60 Hz input and output 0-140 VAC 4.5 amps 0.63 KVA. 3.8x4.3x3.5, 5 lbs. NEW w/knob & dial, \$28.95



Other VARIABLE TRANSFORMERS, 120 VAC 60 Hz input. Output 0-120 VAC. Used w/knob & dial: 10 amp, 10#, \$35. 20 amp, 19#, \$65.00

INPUT 240 VAC 50/60 Hz. OUTPUT 0-240 VAC: 8 amp, 22#, \$47. 9 amp, 19#, \$53.00

LUXITROL D2500H 0-120 VAC 20 amp 2500 W; easy-to-use vertical mount-style. With knob but no dial plate. 9.3x10.6x4, 10 lbs sh. Used, \$64.00

LUXITROL D6000H 0-120 VAC 50 amp 6000 W; vertical mtg with knob & dial, 35#. Used, \$150.

MINI-500 MEGGER

JFC MINI-500 OHMMETER-MEGGER, portable unit useful in insulation and ground tests. Has hand crank generator for supplying test voltage, 0-1000 ohmter, and function select: OHMS-100 V (M 5/5)-250 V (M 2/2)-500 V (M X1)-1000 V (M x2)-DISCHARGE. Includes carrying case; meter is damaged. 4.2x6.1x5, 10 lbs sh. Used, AS-IS with output, \$39.50



WINTER 1986-1987

CATALOG SUPPLEMENT

PRICES ARE F.O.B. LIMA

ITEMS OVER 70 LBS. SHIPPED

MOTOR FREIGHT COLLECT

INCLUDE PAYMENT IN FULL.

USE YOUR MASTERCARD OR VISA.

STORE HOURS: Monday thru Friday 9 to 5:30

Saturday 9 to 1:00

RADIO COLLECTOR BOOKS



Reference books for the old radio collector featuring a new release, The Radio Collector's Directory and Price Guide by R. Grinder and G. Fathauer. Also the popular Vintage Radio-Series* books (which increase in price from \$9.95 to \$11.95 each after 1-15-87):

RADIO COLLECTOR'S DIRECTORY AND PRICE GUIDE, 321 pages of commentary, pictures, and model listings covering 1921 thru 1941. Some radio history and design, ID tips, plus estimated current values; 3 lbs sh. \$15.95 VINTAGE RADIO 1887-1929, pictorial story of radio's early years; 1000+ pictures and comments. M. McMahon, 263 pp; soft, \$9.95* A FLICK OF THE SWITCH 1930-1950, sequel to Vintage Radio; also includes amateur and military radio + early TV. Softbnd, \$9.95* 1921-1932 RADIO COLLECTOR'S GUIDE, 9000 listings of manufacturers, models, dates, original prices; no pictures. Softbound, \$9.95* MOST-OFTEN NEEDED 1926-1938 RADIO DIAGRAMS, reprint of Beitman's book of 600 old radio schematics; softbound, \$9.95*

1987 ARRL RADIO AMATEUR HANDBOOK, \$18.00 ARMED FORCES CROSS INDEX OF ELECTRON TUBE TYPES, August 1950; cross-reference of just about every tube the military utilized to 1950. Lists "Tube Type", "Current Designation", "Other Number", and "Class Descriptions." No tube specs; 120 pg copy, \$12.50

INDUSTRIAL RINSE / DRY

FLUOROCARBON RD4500 RINSER/DRYER, designed for semiconductor industry; capacity for 100 4" wafers. Insert for wafers easily removed leaving 16.5" dia X 7" D stainless-steel drum w/ 2" dia drain adaptable for your own projects. Separate 3/8" O.D. lines for water and nitrogen (or air); N2 line has quartz heater to raise gas temperature 180 C. RedHat valves pass 20-40 PSI 2 GPM water and 30-40 PSI 6 SCFM N2. Drum rotated by Gould 1/4 HP DC motor with adjustable rinse times 0-450 (rinse) and 0-1850 RPM (dry); 16.8" mount depth. Model 379B timer has two 0-6 minute ATC timers and AC to DC motor control. Model 287C box controls Start-Stop functions plus has 0-20 x 100 RPM meter and Sonalert. Book and cables included; requires 115 VAC 50/60 Hz. 120 lbs (95 lbs without insert); UPS in 2 pkgs. Used, \$115.



STORAGE CASES

PLASTIC STORAGE CASE, rugged but light with hinged top, hasp fastener, and recessed top grip. Two glued spacers; interior 7.5x6.3x5.3. Handy item for shop; 2 lbs. #CS-PL-SR, used, \$2.95, 2/\$5.00

STEEL TRANSIT CASE, sturdy 9x24x15 case for shop or truck has four compartments 24x7.5, 6.5x7.5, 12.5x7.5, and 5x7.5. Hinged top with hasp fasteners, latch for your padlock and side handles; 45 lbs sh. #CS-92415, used, \$15.00

ALUMINUM TRANSIT CASE originally for test meter but easily adaptable for your project interior 11.6" Lx8.2" Wx5.3" D. Hasp fasteners; one pair retain top cover. O/a 14.3x10 x7.4; 6 lbs. #CS-TCC-11, used, \$6. 2/\$10.00

REPLACEMENT SPEAKER



LS-445 4" DIA SPEAKER, rugged military 8 ohm 2 watt permanent magnet speaker used in LS-166 loudspeaker. Response 300-7000 Hz; use as replacement for your LS-166 or wherever durable speaker is required. 3 lbs. Used \$7.95

1100-1300 MHZ CAVITY

TRANSMITTER-CAVITY MODULE p/o KY-308/ASQ radar set; consists of cavity with two preselectors, 5675 tube as local oscillator ML-381 (2C39-like) as output tube. Shows resonance in 1100 to 1300 MHz range. Unit pulse modulated using 3E29 tube. Also 115 VAC 400 Hz transformer with outputs 550 V 25 ma and 6.3 V 2.85 A and top cover; no further info. 7.5x6x5, 10 lbs sh. #2-CAV-308, used, \$45.00

XMIT-CAVITY MODULE similar to the above except three preselectors and tubes 5675 and 3CPX100A5/8745. No pulse modulation. 115 V 400 Hz transformer outputs 780 V 11 ma, 170 V 16 ma, 6 V 1.2 A; with top cover. #3-CAV-308, \$47.00

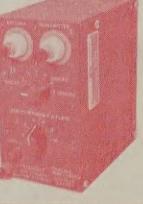
RF CONVERTER

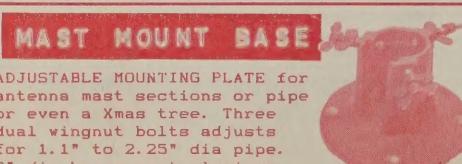
70 to 8 MHz AMPLIFIER-CONVERTER for the radio experimenter; part of military downconverter used in for 4 GHz system. Two stages of 70 MHz amplification (two 6AK5), mixer (6AK5) with crystal calibrator oscillator and doubler (5670) and two stages of 8 MHz amplification (6922). Ceramic coil forms; shielded and bypassed input/mixer for clean output. Requires 200 VDC and 6.3 VAC; 11.8x 6.5x3, 3 lbs. #70-8/AM-CV, used w/info, \$12.

 **VACUUM RELAY**
SPDT GLASS VACUUM RELAY ASSEMBLY, antenna transfer relay from Collins 180L3, an antenna tuner for 100-150 watt HF transmitters. Coil 28 VDC 38 ohms; o/a 5x6x2.3, 3 lbs sh. #K712/180L3, used, \$19.95

ART-13 TUNER

CU-26/ART-13 ANTENNA TUNER, tunes 500 to 1500 KHz range for the venerable ART-13 transmitter. Utilizes vario-meter and seven tap position switch which taps fixed coil. Very rare item! Many years since we've seen any! 7x3.8 x6.3, 4 lbs sh. Used, \$19.95

 **PILOT INDICATOR**
MG-2 PILOT'S INDICATOR, p/o bombing navigation system. Interesting item has separate scales 150-0-150 Degrees Turn and 360-0-360 Time To Go. Contains Sperry R5663479 and R5663478 selsyns mounted in line with shaft of the first running through the shaft of the first. Designed for 24 V 400 Hz but works on 12-15 V 60 Hz with some response loss; selsyns usable in wind or antenna direction systems. 10x3.8" dia; 4 lbs. Used-clean, \$15.95

 **MAST MOUNT BASE**
ADJUSTABLE MOUNTING PLATE for antenna mast sections or pipe or even a Xmas tree. Three dual wingnut bolts adjusts for 1.1" to 2.25" dia pipe. 9" dia base; cast aluminum. 5.5" Hx9" dia, 7 lbs. #MB-92110, used, \$9.95

XMITTER COILS

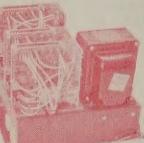
TRANSMITTER COILS used in 400 watt transmitters; 4.5" dia, 5.5" to 6.5" length. T-4 type has 9 banana jacks; C-type five Used/unused as available; 2#
#T4- MHz PRICE #T-4 MHz PRICE
1540 2.0-3.5 \$5. 1541 3.5-5.2 \$5.00
1548 5.2-7.2 \$5. 1549 7.2-9.2 \$5.00

C-454 1.5-2.0 \$5. C-388A 3.5-4.5 \$5.00
C-389A 3.5-5.7 \$4. C-447B 8.0-11 \$6.00

LAP-TOP PROCESSOR

LEXICON LAP-TOP WORD PROCESSOR, true 5.3x10.5x1.8 lap-size unit features 14KB usable word processor memory, 300 baud modem, and nicad battery power or 115 VAC. also has calculator and digital clock functions, single-line LCD display, "chicklet"-style QWERTY keyboard, and peripheral output DB-37 connection. User can create, store, and search up to 20 separate files; battery power can maintain files for over two weeks if necessary. The onboard modem allows data to be transferred over the phone to a remote computer and also permits access to subscription info services such as EasyLink and Dow Jones Financial News. Although it utilizes a low power Z80-type CPU, the lap-top word processor is not a computer in that it cannot be used to develop and run programs. However, for those who's primary computer usage is word processing, the Lexicon is a convenient tool. With modem cable, batteries, battery charger, and operation book; 30 day warranty for purchase price refund. 4 lbs sh; #LEX-LT-WP, NEW, \$109.50-\$65.00

SUN SUPPLIES

 OPEN FRAME SUPPLIES which can be used as-is or taken apart for excellent parts values; 115 VAC 60 Hz input, 32 lbs sh. All unused:

#PS-3REG SUN SUPPLY, features two modular regulators 12 VDC 4 amp and one 5 VDC 8 amps max. Unregulated DC outputs 15 V 15 A and 15 V 2 A. AC outputs 50 VCT 2 A, 54 V 2 A, 30 V 1.2 A, and 6.3 V 2 A. (Components available separately below.) Nice 10x12x3.5 chassis; o/a 10" H. Complete \$24.95 REGULATOR MODULES from above each with current limit and voltage adjust. Includes bridge rectifier, filter capacitor, two 2N3055 or equal, and 723 regulator. Easy-to-use; add appropriate center-tapped transformer and make a power supply. 3 lbs sh: #SUN-REG-124, 12 V 4 amp; 5.5x5.5x2, \$10.00 #SUN-REG-58, 5 V 8 amp w/OVP; 6x6x3, \$8.00

TRANSFORMER from #PS-3REG, secondaries 14 VCT 7.5 A, two 30 VCT 2.5 A, 30 VCT 1.2 A, 50 VCT 2 A, 12 V 2 A, 54 V 2 A, 6.3 V 2 A; 4.5x5.8x5.5, 13 lbs. SUN #70091432, \$7.50

CHASSIS only from #PS-3REG, with 50000 and 47000 mf 25 VDC capacitors; 7#. #CH-3REG, \$4.00

#PS-1415-NR SUN SUPPLY, unregulated DC outputs 14 V 15 amp, +22 V 4 A, -22 V 4 A; AC outputs 19.3 V 1 A 30 V 1 A. Includes 5.5" Lx2.5" Hx4.8" W and 1.5" Lx1.3" Hx4.8" W heatsinks each with 200 V 25 A rectifier bridges and capacitors 750000 mf 25 VDC and two 8000 mf 30 VDC; does not have regulator modules. 10.3x12.3x7.5, 20 lbs sh. Complete, \$14.95

TRANSFORMER from #PS-1415-NR, secondaries 36 VCT 4 A, 11 V 15 A, 30 V 2 A, 19 V 2 A. 4x5.3x4.8, 16 lbs sh. Sun #778392, \$7.95

CHASSIS only from #PS-1415-NR, 10.3x12.3 x2.3; w/7- 3AG fuseholders. #CH-1415, \$3.50

12 VDC COUNTER

6-DIGIT MECHANICAL COUNTER, 12 VDC non-resettable; black numerals on white. Mounting flanges on rear; o/a 1.3" Hx1.5" Wx2.5" D. #EO7B10DC12, NEW, \$2.95

NRC 925 MASS SPECTROMETRIC LEAK DETECTOR w/o bell glass; 350 lbs. Repairable, \$1500.

TECHNICAL MATERIELS VOX-5 (D-330) MASTER OSCILLATOR, used with TMC HF xmitters; output 2-4 MHz 2 watts, 4-64 MHz 0.5 W. 10.5x19x16, 95 lbs sh (UPS in 2 pkgs). Used, \$100.00

TMC SWR-1K (IM-166) SWR METER, 1 KW HF \$125. TMC XKF-1 FREQUENCY SHIFT EXCITER, \$125.00

COLLINS 476D-1 DISTORTION ANALYZER/MONITOR for SSB over 1.7-31.7 MHz in 15 bands; RF & IF 2-tone source. 200 lbs. Repairable \$495.

MOTOR GENERATOR, 208/220/440 VAC 60 Hz 3 Ø in; out 28 VDC 100 amps. Meters 0-50 VDC & 0-200 A; 300 lbs sh. #MG-22028, used, \$175.